

ZANUSSI



FRIDGE - FREEZER

ZNB 3450 S

INSTRUCTION BOOK

GB

This instruction book contains safety precautions, information on use and helpful hints and tips.

To ensure you use this appliance effectively and safely, please read this instruction book carefully before installing or using this appliance and retain for future reference.

The symbols below help you to find things more easily:



Safety precautions

Warnings and Safety information



Hints, useful information



Environmental information



The symbol on the product or on its packaging indicates that this product may not be treated as household waste. Instead it shall be handed over to the applicable collection point for the recycling of electrical and electronic equipment. By ensuring this product is disposed of correctly, you will help prevent potential negative consequences for the environment and human health, which could otherwise be caused by inappropriate waste handling of this product. For more detailed information about recycling of this product, please contact your local city office, your household waste disposal service or the shop where you purchased the product.

IMPORTANT SAFETY INSTRUCTIONS

These warnings are provided in the interests of your safety. Ensure that you understand them all before installing or using this appliance. Your safety is of paramount importance. If you are unsure about any of the meanings or these warnings contact the Customer Care Department.

Prior to installation

- Check the appliance for transport damage. Under no circumstances should a damaged appliance be installed. In the event of damage please contact your retailer.

Installation

- This appliance is heavy. Care should be taken when moving it.
- It is dangerous to alter the specifications or attempt to modify this product in any way.
- Ensure that the appliance does not stand on the electrical supply cable. If the supply cable is damaged, it must be replaced by a cable available from your local Service Force Centre.
- **Make sure that the power plug has not been squashed or damaged during transit.**
 - A damaged power plug may overheat and cause a fire.
- **As you unpack the appliance, check carefully for any signs of transit damage.**
- **Do not place heavy articles or the fridge/freezer itself on the power cord.**
 - There is a risk of a short circuit and fire.
- **Do not remove the power cord by pulling on its lead, particularly when the fridge/freezer is being pulled out of its niche.**
 - Damage to the cord may cause a short-circuit, fire and/or electric shock.
 - If the power cord is damaged, it must be replaced by a certified service agent or qualified service personnel.
- **If the power plug socket is loose, do not insert the power plug.**
 - There is a risk of electric shock or fire.
- Any electrical work required to install this appliance should be carried out by a qualified electrician or competent person.
- Parts which heat up should not be exposed. Whenever possible, the back of the appliance should be close to a wall, but leaving the required distance for ventilation, as stated in the installation instructions.
- The appliance should be left for 2 hours after installation before it is turned on, in order to allow the refrigerant to settle.

Child Safety

- Do not allow children to tamper with the controls or play with the product.
- Keep packaging materials away from children, to prevent the risk of suffocation!

Safety precautions for isobutane

Warning

- The refrigerant isobutane (R 600a) is contained within the refrigerant circuit of the appliance, a natural gas with a high level of environmental compatibility, which is nevertheless flammable.
- Keep ventilation openings, in the appliance enclosure or in the built-in structure, clear of obstruction.
- Do not use mechanical devices or other means to accelerate the defrosting process, other than those recommended by the manufacturer.

- Do not damage the refrigerant circuit.
- Do not use electrical appliances inside the food storage compartments of the appliance.

During Use

- This appliance is designed for domestic use only, specifically for the storage of edible foodstuffs. It is not intended for commercial or industrial use.
- Containers with flammable gases or liquids can leak at low temperatures. Do not store any containers with flammable materials, such as spray cans, fire extinguisher refill cartridges etc. in the appliance.
- Frozen food should not be refrozen once it has thawed out.
- Do not place carbonated or fizzy drinks in the freezer compartment.
- Ice lollies can cause 'frost/freezer burns' if consumed straight from the freezer.
- Do not remove items from the freezer compartment if your hands are damp/wet, as this could cause skin abrasions or frost/freezer burns.
- Bottles and cans must not be placed in the freezer compartment they can burst when the contents freeze.
- Manufacturers' recommended storage times should be adhered to. Refer to relevant instructions.

Maintenance and Cleaning

- Before cleaning, always switch off the appliance and disconnect from the electrical supply.
- When unplugging always pull the plug from the mains socket, do not pull on the cable.

Servicing

- This product should be serviced by an authorised engineer and only genuine spare parts should be used.
- Under no circumstances should you attempt to repair the appliance yourself. Repairs carried out by inexperienced persons may cause injury or serious malfunctioning. Contact your local Service Force Centre.

At the end of the Appliance Life

- When disposing of your appliance use an authorised disposal site.
- Remove the plug and ensure that any locks or catches are removed, to prevent young children being trapped inside.



The Appliance and the Environment

This appliance does not contain gases which could damage the ozone layer.

Avoid damaging the cooling unit.

The packaging used on this appliance marked with the symbol is recyclable.

Keep this instruction book for future reference and ensure it is passed on to any new owner.

CONTENTS

Instructions for the User

Important Safety Instructions	3
General Information	5
Description of the Appliance	5
Switch and indicator set	6
Display background color	7
Using the Appliance	7
Putting it into use	7
Controlling the temperature, setting	7
How to use the refrigerator	7
Drawer	8
Shopping mode	8
The Refrigerator	8
Storage Shelves	8
Storage Times	8
The Freezer	9
Freezing Fresh Food	8
Frozen Food Storage	8
Thawing	10
To Make Ice Cubes	10
Hints and Tips	11
Normal Operating Sounds	11
Food Storage	11
Energy Saving Advice	11
In the Event of a Power Failure	11
Maintenance and Cleaning	12
Internal Cleaning	12
External Cleaning	12
When the Appliance is Not in Use	12
Defrosting	12
To Change the Light Bulb	13
Something Not Working	14
Service and Spare Parts	15
Customer Care Department	15
Guarantee Conditions	16

Instructions for the Installer

Technical Data	17
Installing the Appliance	17
Transportation, Unpacking	17
Cleaning	17
Location	17
Levelling the Appliance	18
Ventilation Requirements	18
Door Reversal	18
Electrical Connections	20
Storage Chart	21

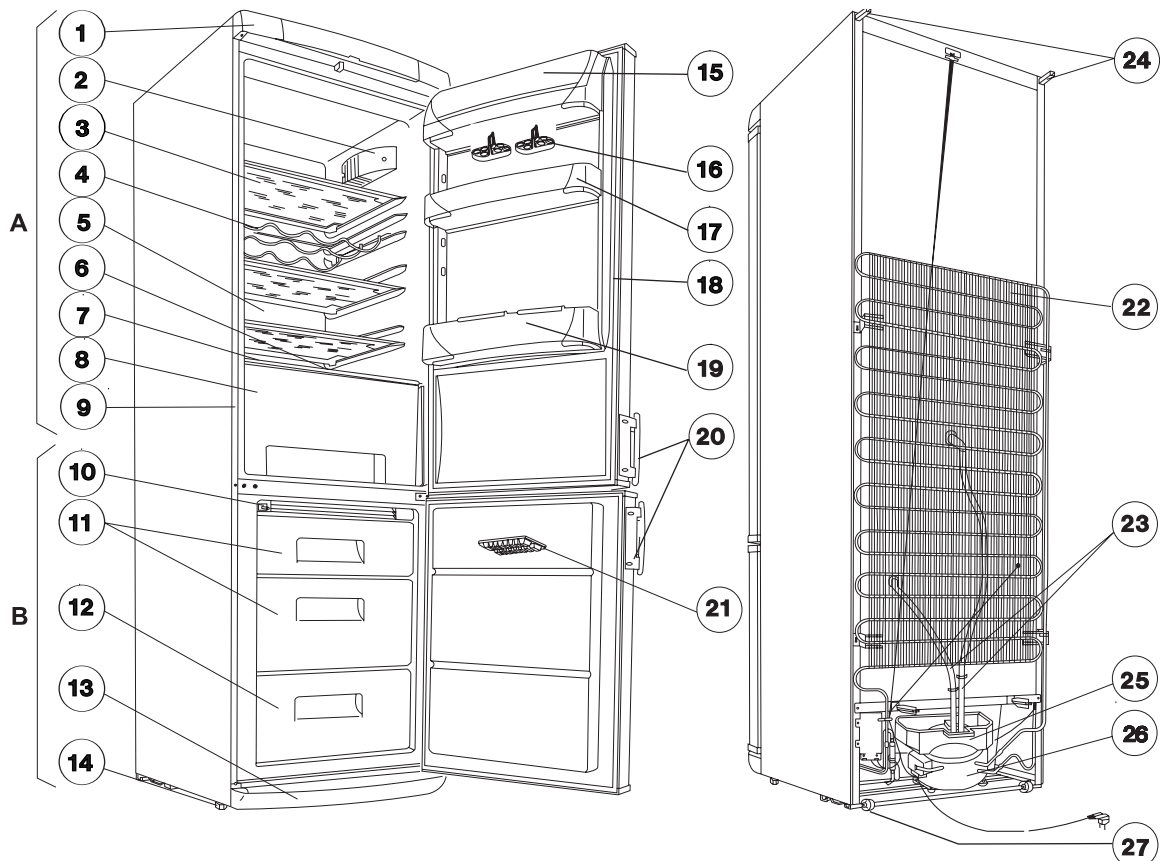
INSTRUCTIONS FOR THE USER

General information

This appliance is designed for the storage of refrigerated and frozen food in a domestic environment.

To ensure correct operation, the appliance should be located where the ambient temperature is between 10-32 °C.

Description of the appliance



A- Refrigerator

B - Freezer

1. Top with switch and indicator set
2. Lighting box
3. Glass shelves
4. Bottle rack
5. Cooling surface
6. Defrost water drain
7. Glass shelf
8. Drawer
9. Data label
10. Air grid
11. Storing compartment(s)
12. Freezing compartment
13. Bottom plinth

14. Adjustable feet
15. Butter compartment lid
16. Egg tray
17. Door shelf
18. Door gasket
19. Bottle shelf
20. Handles
21. Ice tray
22. Condenser
23. Defrost water outlet tube
24. Spacer
25. Evaporator tray
26. Compressor
27. Rollers

Switch and indicator set

The following components can be found under a cover in the top frame:

A. On/Off button

Switches the appliance on and off.

B. Freezer thermostat knob

Used to set the temperature inside the freezer.

C. Temperature selection push button

Used to select the temperature shown on the display.

To display the refrigerator or freezer temperature, press it once or twice, respectively.

See also the description of the temperature display.

D. Temperature display

See the description in the separate chapter.

E. Function selection/Alarm reset button

Used to select the super cooling and shopping modes. The Modes are available as follows, pressing the button once or more times:

- Normal mode (default)
- Super cooling mode
- Shopping mode
- Normal mode

The same button is used to reset acoustic alarm signal, see the description on the display background colour.

F. Refrigerator thermostat knob

It is used to set the temperature inside the refrigerator.

The elements of the temperature display are as follows:

1. Ambient symbol

Seen when the digits show the ambient temperature.

2. Refrigerator symbol

Dark, when the digits show the refrigerator temperature.

3. Freezer symbol

Dark, when the digits show the freezer temperature.

4. Digits

By default the digits show the ambient temperature and the ambient symbol is seen.

The digits can show also:

- The medium temperature inside the refrigerator after pressing the "C" button (refrigerator symbol is dark), for a while.
- The highest temperature inside the freezer after pressing the "C" button twice (freezer symbol is dark), for a while.
- Refrigerator temperature set (value is blinking) when the "F" knob is rotated and for a while afterwards.
- Freezer temperature set (value is blinking) when the "B" knob is rotated and for a while afterwards.

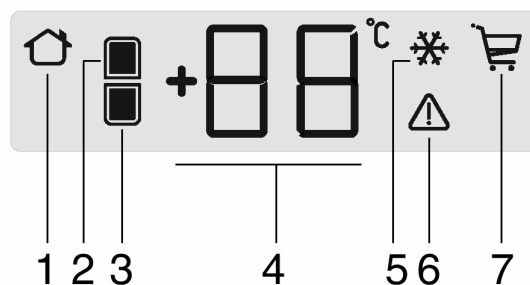
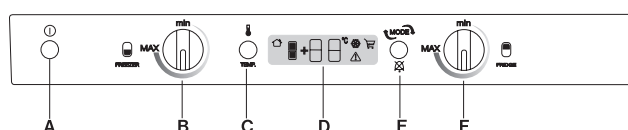
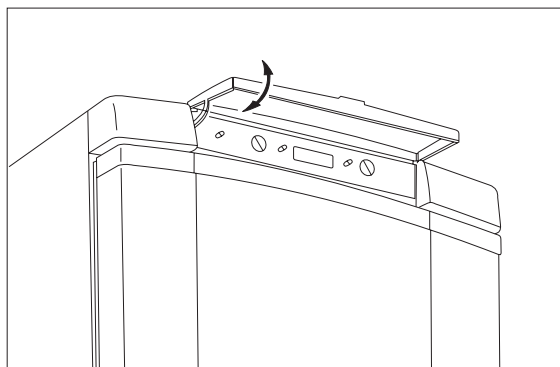
5. Super cooling symbol

Visible, when the appliance runs in super cooling mode. See also the chapter on freezing.

6. High temperature symbol

Visible, when the temperature in the refrigerator is too high.

See also the description on the display background colour.



7. Shopping symbol

Visible, when the appliance runs in shopping cooling mode. See also the chapter on using the refrigerator.

Display background colour

By default the display background is blue.

While whatever button or knob is used the background turns bright blue and remains so for a while.

The display background turns red, if the temperature inside the freezer is too warm (alarm). If this is the case, the digits show blinking the warmest temperature inside the freezer, the high temperature symbol flashes and an acoustic alarm signal is shown.

The temperature might be too warm in the following cases:

- Immediately after switching on
- The freezer door was left open for a longer time
- There is an operating trouble in the freezer

To switch the alarm sound off press the "E" button. The display returns to showing the ambient temperature, however the background remains red until the freezer cools down properly.

Should you press no button during alarm, press the "E" button when the sound finishes to see the warmest temperature reached during the alarm.

Using the Appliance

Putting it into use

Place the accessories into the appliance then plug to the mains socket.

Press the "A" button. The backlight of the display turns on.

The appliance is ready to use.

Pressing the "A" button again the appliance is off, but still under voltage.

Controlling the temperature, setting

The thermostats interrupt the cooling automatically for more or less time depending on the setting then restarts it assuring the required temperature.

Temperature of the refrigerator and freezer can be set by knobs "F" and "B", respectively. The set temperature is seen blinking on the display.

For everyday use medium setting, i.e. +5°C in the refrigerator and colder than -18°C in the freezer is recommended.

Allow the appliance to run for a period of 24 hours whenever the temperature setting is changed. This will allow the temperature to stabilise inside the appliance.

The temperature coming about in the refrigerator is effected by not only the position of the thermostat but the ambient temperature, frequency of door openings and the quantity of food put into it newly, etc.

(i) When the coldest temperature possible is set - in case of increased demand e.g. during heatwaves - the compressor may operate continually. This does not cause damages to the appliance.

How to use the refrigerator

(i) For adequate cooling developing interior air circulation is necessary. For this reason you are asked not to cover the air circulation gaps behind the shelves (e.g. with tray etc.).

(i) Do not put hot food into the refrigerator. Allow it to reach room temperature naturally. In this way the unnecessary frost building up can be avoided.

(i) Foods can take over odours from each other. So it is essential to put foods in closed dishes or wrap them in cellophane, aluminium foil, grease-proof paper or cling film before placing them into the refrigerator. This way foods will keep their moisture e.g. vegetables will not dry out after some days.

Drawer

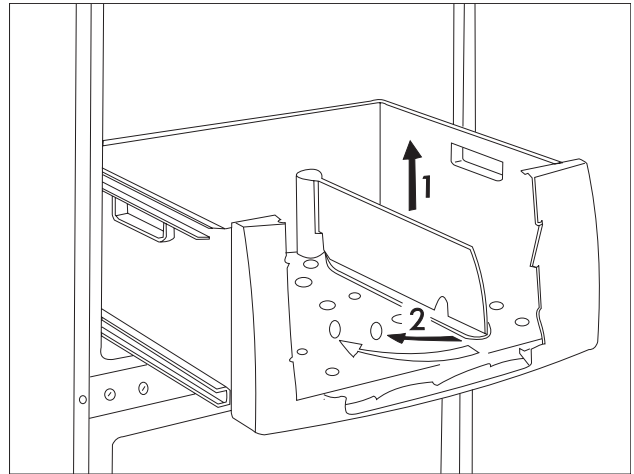
The drawer is suitable for storing fruit and vegetables.

There is a separator inside the drawer that can be placed in different position to allow for the subdivision best suited to personal needs.

Shopping mode

Before putting a bigger amount of food into the refrigerator (e.g. when returning from shopping) press the function selection button once or twice as occasion requires to obtain shopping mode (the shopping mode symbol shown on the display). In this manner the refrigerator reaches its lowest possible temperature to cool down the bigger amount of food.

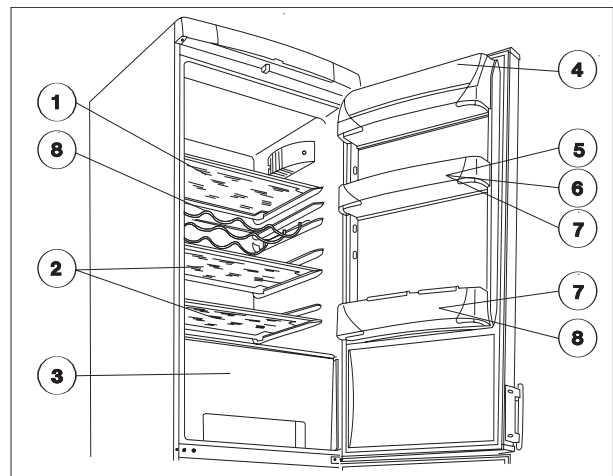
To exit from shopping mode press the function selection button again. Should you not do so, after a while the refrigerator returns to automatic mode.



The Refrigerator

Below is the recommended storage positions for various food types:

1. Ready-cooked foods, fresh meat, cold cuts.
2. Milk, dairy products.
3. Fruits, vegetables, salads.
4. Cheese, butter.
5. Eggs.
6. Yoghurt, sour cream.
7. Small bottles, drinks.
8. Large bottles, drinks.



Storage Shelves

The shelves in the refrigerator compartment are adjustable to allow for the storage of large items.

To re-arrange the shelves, open the door to 90°.

Storage Times

The storage chart at the end of the instruction book gives information on storage times in the refrigerator compartment. The storage times quoted are intended as a guide only.

- Do not cover the shelves with paper or trays etc. as this will affect the air circulation within the refrigerator compartment.
- Do not put hot foods in the refrigerator, allow hot foods to reach room temperature naturally before placing in the refrigerator.
- Cover foods, or place in closed dishes before placing them in the refrigerator, this prevents any transference of food smells.

The Freezer

Freezing fresh food

The appliance can be used to freeze fresh food of quantity specified on the data label. Freezing different products should always be done after proper preparing as follows.

Press the function selection button once or twice as occasion requires to obtain super freezing mode (the super freezing mode symbol shown on the display).

Put the previously frozen food to another basket or baskets. Put the fresh food into the lower basket, leaving enough space for airflow.

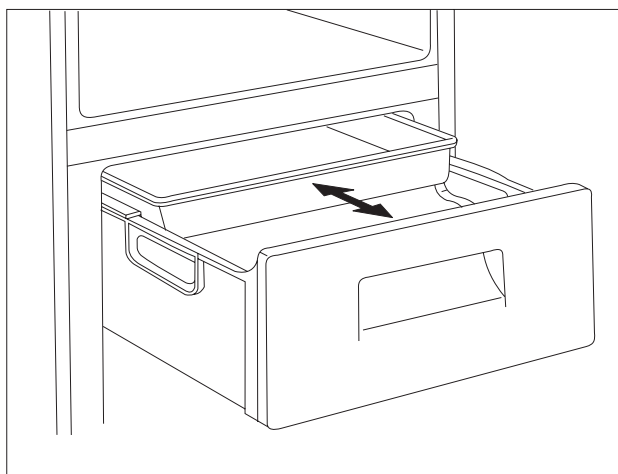
Run the appliance this way for 24 hours.

To exit from super freezing mode press the function selection button again. Should you not do so, after a while the freezer returns to automatic mode.

i **Never freeze food in bigger quantity than given in the 'Technical data' at the same time, otherwise freezing will not be thorough and after dissolving various deterioration may take place (losing taste and aroma, lysing, etc.).**

i Do not make ice during freezing preferably, because making ice reduces freezing capacity.

i The freezing tray is suitable for freezing smaller fruits (raspberry, strawberry, currant, etc.). Fruits should be put in the tray in thin layers without packaging. After freezing they can be packed and sorted out then placed into the storing compartments.



Frozen Food Storage

When first starting the freezer or if the freezer has been out of use for some time, we advise you to run your appliance for at least 2 hours before storing frozen food.

Do not exceed the storage period indicated by the manufacturer.

Do not open the door frequently or leave it open longer than is necessary.

It is practical to replace frozen products into the basket(s) after freezing has finished. Doing this you could make room in the freezing compartment for another freezing. Intermediate freezing does not deteriorate foods already stored.

In large quantities of food are to be stored, remove the baskets except the lowermost one from appliance and place food on the shelves.



Important

Do not put carbonated liquids in the freezer.

Ice lollies, if consumed immediately after removal from the freezer can cause a low temperature skin burn.

In the event of a power cut the food in the freezer will not be affected if the power cut is short and the freezer is full. Do not open the door. Should the food begin to thaw it must be consumed quickly and must not be re-frozen. (See Hints and Tips)

Do not remove items from the freezer if your hands are damp/wet, as this could cause skin abrasions or frost/freezer burns.

Thawing

Deep frozen or frozen food, prior to being used, can be thawed in the fridge or at room temperature, depending on the time available. Small food items may even be cooked from frozen, in this case cooking will take longer.

Any frozen food which is allowed to thaw accidentally should either be eaten as soon as possible, or thrown away. Alternatively, if the food is uncooked and has not been completely defrosted it can be cooked and then refrozen.



Defrosted cooked food must never be refrozen.

To Make Ice Cubes

1. Fill the ice cube tray $\frac{3}{4}$ full with cold water, place in the freezing compartment and leave to freeze.
2. To remove the cubes twist the tray or hold it under running water for a few seconds.



Never try to free an ice tray that is frozen to the freezer compartment by using pointed or sharp edged objects.

Hints & Tips

Normal Operating Sounds

- You may hear faint gurgling or bubbling sounds when the refrigerant is pumped through the coils or tubing.
- When the compressor is on, the refrigerant is being pumped round and you will hear a whirring sound or pulsating noise from the compressor.
- A thermostat controls the compressor and you will hear a faint 'click' when the thermostat cuts in and out.

Food Storage

To obtain the best performance from your freezer:

- Do not store warm food or evaporating liquid.
- Avoid buying frozen food if you cannot store it straight away. The use of an insulated container is advisable. When you arrive home, place the frozen food in the freezer immediately.
- Do not push food together too much, try to allow air to circulate around each item.
- Do not store food uncovered.
- Ensure that food placed in the freezer is dated and labelled and used in date order to ensure that food is consumed at its best.
- Lean food keeps better and longer than fatty food, salt reduces the storage time.
- Wrap the food in polythene or aluminium freezing bags or foil so that they adhere to the food and provide an airtight seal.
- Packaging which is swollen or has traces of refrozen water droplets on the pack could indicate that the product has not been kept at a suitable temperature and that it may have lost its original quality. Partially thawed food must not be refrozen, it must be consumed within 24 hours. Never exceed the storage times indicated by the manufacturer.

Energy Saving Advice

- Do not install the appliance close to sources of heat, such as a boiler or radiator.
- Locate the appliance in a cool well ventilated room and make sure that the air openings of the appliance are not obstructed.
- Avoid unnecessary frosting in the cabinet by packing all foodstuffs into airtight packages before placing them in the freezer.
- Food which is to be frozen (when cool) should be placed in the fridge before being transferred to the freezer.
- Try to avoid keeping the door open for long periods or opening the door too frequently as warm air will enter the cabinet and cause the compressor to switch on unnecessarily often.
- Ensure there are no obstructions preventing the door from closing properly.

In the Event of a Power Failure

If there is a power failure during the storage of frozen foods, keep the door closed. If the temperature within your freezer should rise, do not refreeze the food without checking its condition. The following guidelines should assist you:

Ice Cream: Once thawed should be discarded.

Fruits & Vegetables: If soft should be cooked and used up.

Breads & Cakes: Can be refrozen without danger.

Shellfish: Should be refrigerated and used up quickly.

Cooked Dishes: i.e. casseroles should be refrigerated and used up.

Large Pieces of Meat: Can be refrozen providing there are still ice crystals remaining within them.

Small Joints: Should be cooked and can then be refrozen as cooked dishes.

Chicken: Should also be cooked and refrozen as a fresh dish.

Maintenance and Cleaning

 *Before any maintenance or cleaning is carried out you must DISCONNECT the appliance from the electricity supply.*

Internal Cleaning

Clean the inside and accessories with warm water and bicarbonate of soda (5 ml to 0.5 litre of water).

Rinse and dry thoroughly.

 ***NEVER use detergents, abrasive powders, highly perfumed cleaning products or wax polishes to clean the interior as these will damage the surface and leave a strong odour.***

External Cleaning

Wash the outer cabinet with warm soapy water.

Once or twice a year dust the condenser (black grille) and the compressor at the back of the appliance with a brush or vacuum cleaner, as an accumulation of dust will affect the performance of the appliance and cause excessive electricity consumption.

When the Appliance is not in Use

When the appliance is not in use for long periods, disconnect from the electricity supply, empty all foods and clean the appliance, leaving the door open to prevent unpleasant smells.

Defrosting

Bleeding part of the moisture of cooling chambers in form of frost and ice goes with the operation of the appliance.

Thick frost and ice has an insulating effect, so it reduces cooling efficiency as the temperature increases in the cooling chambers, they need more energy.

At this type of appliance defrosting the cooling surface of the refrigerator is automatic without any external intervention. The thermostatic control interrupts the operation of compressor at regular intervals for more or less time - during this cooling is interrupted - the temperature of the cooling surface goes above 0°C due to interior heating load of the compartment, so defrosting occurs. When the surface temperature of the cooling surface has reached +3 - +4°C the thermostatic control restarts operation of the system.

Melting water flows through defrost water outlet leaded through the back into the evaporator tray maintained on the top of compressor and evaporates due to its warmth.

⚠ Check and clean the outlet of melting water coming during defrosting regularly - a label inside the appliance warns you for this. If it is clogged the melting water gathered can cause earlier failure as it can go to the insulating of the appliance.

Clean the melting water outlet with the supplied pipe scraper that can be seen in the figure. The pipe scraper has to be stored in the outlet.

The most typical case of clogging up in the melting water outlet when you put food wrapped in some paper into the appliance and this paper contacts back plate of the refrigerator and freezes to it. If you remove the food right at this moment the paper will tear and it can cause clogging up in the outlet by getting into it.

So you are asked to be careful - because of the above - when placing foods wrapped in paper into the appliance.

i In case of increased demand e. g. during heatwaves, the refrigerator temporarily happens to operate constantly - during this the automatic defrosting does not work.

Remaining small ice and frost stains on back plate of the refrigerator after defrosting period is not abnormal. Defrosting of the freezer is automatic in this model.

⚠ Important

A temperature rise of the frozen food packs during defrosting may shorten their safe storage life.

Never use sharp metal tools to scrape off frost from the evaporator as this could damage the appliance beyond repair.

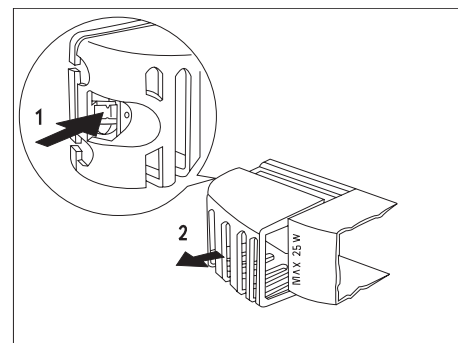
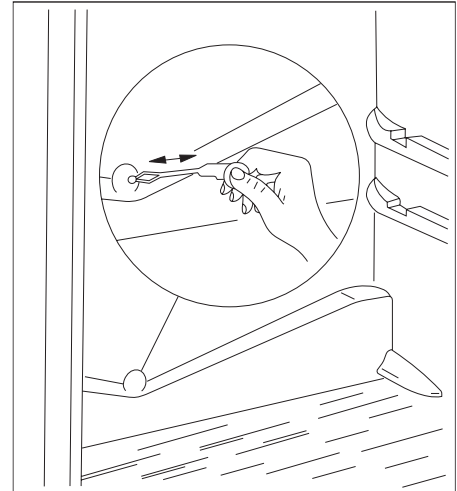
👉 To Change the Light Bulb

Should the light fail to work you can change it as below:

Break the circuit of the appliance.

Press the rear hook (1) and at the same time slide the cover in the direction indicated by the arrow (2). So the bulb can be replaced. (Bulb type: T 25 230-240 V, 25 W, E 14 thread)

After changing the bulb replace the cover, snap it in place and apply voltage to the appliance.



Something Not Working

If the appliance is not working correctly, please carry out the following checks before contacting your local Service Force Centre.

Problem	Possible Cause	Solution
No power to the appliance	No power at the socket. There is a power cut. The fuse has blown. Thermostat control knob is set at „0“.	Check there is power at the socket. Check there is not a power cut by checking the household lights. Check the fuse has not blown. Check the thermostat setting.
The temperature in the fridge or freezer is too high	The appliance is located in an unsuitable position. The thermostat control knob is set too low.	Check the ambient temperature is within the appliances operating limits of 10 °C to 32 °C. Check that the thermostat control knob is turned to the correct setting relative to ambient conditions.
The compressor runs continuously	The thermostat control knob is set at the wrong temperature. The door is open. Large quantities of food have been placed in the cabinet. The door has been opened too frequently. The air ventilation is obstructed.	Adjust the thermostat control knob. Close the door. Do not leave the door open longer than necessary. Check that the air ventilation is not obstructed.
The temperature in the fridge or freezer is too low	The thermostat control knob is set too cold.	Set the thermostat control knob to a warmer position.
Excessive frost and ice has built up	The door has been left open. Something is obstructing the door. The door gasket is dirty.	Check the door has not been left open. Check nothing is preventing the door from closing. Check the door gasket is intact and clean.
The appliance is noisy.	The appliance is not level.	Check if the appliance stands stable on the floor.

If after the above checks your appliance still does not operate correctly, contact your local Service Force Centre.

Please note that it will be necessary to provide proof of purchase for any in-guarantee service calls.

In-guarantee customers should ensure that the above checks have been made, as the engineer will make a charge if the fault is not a mechanical or electrical breakdown.

Service and Spare Parts

In the event of your appliance requiring service, or if you wish to purchase spare parts, please contact your local Service Force Centre by telephoning:-

08705 929929

Your telephone call will be automatically routed to the Service Force Centre covering your post code area.

For the address of your local Service Force Centre and further information about Service Force, please visit the website at www.serviceforce.co.uk

Before calling out an engineer, please ensure you have read the details under the heading "Something Not Working."

When you contact the Service Force Centre you will need to give the following details:

1. Your name, address and post code
2. Your telephone number
3. Clear and concise details of the fault
4. The model and serial number of the appliance (found on the rating plate)
5. The purchase date

Please note that a valid purchase receipt or guarantee documentation is required for in-guarantee service calls.

For Customer Service in Ireland please contact us at the address below:

Zanussi - Electrolux
Electrolux Group (Irl) Ltd
Long Mile Road
Dublin 12
Republic of Ireland

Tel: +353 (0)1 4090751

Email: service.eid@electrolux.ie

Customer Care Department

For general enquiries concerning your Zanussi - Electrolux appliance or for further information on Zanussi - Electrolux products, please contact our Customer Care Department by letter or telephone at the addresses below or visit our website at www.zanussi-electrolux.co.uk

Major Appliances - Customer Care Department

Zanussi-Electrolux
101 Oakley Road
Luton
Bedfordshire
LU4 9QQ

08705 727727 (*)

*calls to this number may be recorded for training purposes.

Guarantee Conditions

We Zanussi - Electrolux undertake that if within 12 months of the date of the purchase this ZANUSSI - ELECTROLUX appliance or any part thereof is proved to be defective by reason only of faulty workmanship or materials, the company will, at our option repair or replace the same FREE OF CHARGE for labour, materials or carriage on condition that:

- The appliance has been correctly installed and used only on the electrical supply stated on the rating plate.
- The appliance has been used for normal domestic purposes only, and in accordance with the manufacturer's instructions.
- The appliance has not been serviced, maintained, repaired, taken apart or tampered with by any person not authorised by us.
- All service work under this guarantee must be undertaken by a Service Force Centre.
- Any appliance or defective part replaced shall become the Company's property.

Home visits are made between **8.30am** and **5.30pm Monday to Friday**. Visits may be available outside these hours in which case a premium will be charged.

EXCLUSIONS

This Guarantee does not cover:

Damage or calls resulting from transportation, improper use or neglect, the replacement of any light bulbs or removable parts of glass or plastic.

- Costs incurred for calls to put right an appliance improperly installed or calls to appliances outside the United Kingdom.
- Appliances found to be in use within a commercial environment, plus those which are the subject of rental agreements.
- Products of Zanussi - Electrolux manufacture which are not marketed by Zanussi - Electrolux.

The guarantee is in addition to your statutory and legal rights.

EUROPEAN GUARANTEE

If you should move to another country within Europe then your guarantee moves with you to your new home subject to the following qualifications:

- The guarantee starts from the date you first purchased your product.
- The guarantee is for the same period and to the same extent for labour and parts as exists in the new country of use for this brand or range of products.
- This guarantee relates to you and cannot be transferred to another user.
- Your new home is within the European Community (EC) or European Free Trade Area.
- The product is installed and used in accordance with our instructions and is only used domestically, i.e. a normal household.
- The product is installed taking into account regulations in your new country.

Before you move please contact your nearest Customer Care Centre, listed below, to give them details of your new home. They will then ensure that the local Service Organisation is aware of your move and able to look after you and your appliances.

France	Senlis	+33 (0) 344 62 29 29
Germany	Nuremberg	+49 (0) 800 234 7378
Italy	Pordenone	+39 (0) 0434 39 4700
Sweden	Stockholm	+46 (0) 8 672 53 90
UK	Luton	+44 (0) 8705 727727
Ireland	Dublin	+353 (0)1 4090751

Instructions for the Installer

Technical data

Model	ZNB 3450 S
Gross capacity (l)	Refrigerator: 249 Freezer: 91
Net capacity (l)	Refrigerator: 245 Freezer: 78
Width (mm)	595
Height (mm)	1850
Depth (mm)	632
Energy consumption (kWh/24h) (kWh/year)	0,979 357
Energy class, according to EU standards	A
Freezing capacity (kg/24h)	6
Rising time (h)	18
Rated current (A)	0,6
Noise Lc (dB)	42
Weight (kg)	72
Number of compressors	1

Installing the appliance

Transportation, unpacking

The appliance and the interior fittings are protected for transport.

- Remove all packaging and any adhesive tape.
- Any remnants of adhesive can be removed using white spirit.
- After transportation the appliance must not be switched on for 2 hours. This is to allow the refrigerant to settle.

Cleaning

Clean the accessories and the inside of the appliance with warm water and bicarbonate of soda (5 ml to 0.5 litres of water). Rinse and dry thoroughly.

Do not use detergents, abrasive powders, highly perfumed cleaning products, wax polishes or cleaning products containing bleach or alcohol.

Location

The appliance should be positioned in a well ventilated, dry room.

Energy use is affected by the ambient temperature.

The appliance should therefore:

- not be installed next to radiators, cookers or other sources of heat
- only be installed at a location where the ambient temperature corresponds to the climate classification, for which the appliance is designed.

The climate classification can be found on the rating plate.

The following table shows which ambient temperature is correct for each climate classification:

Climate Classification	Ambient Temperature
SN	+10 to +32 °C
N	+16 to +32 °C
ST	+18 to +38 °C

In the bag of the accessories there are two spacers which must be fitted in the two top corners.

Slacken the screws and insert the spacer under the screw head, then re-tighten the screws.

Levelling the Appliance

When placing the appliance ensure that it stands level. This can be achieved by two adjustable feet at the bottom in front.

Do not stand the appliance next to a source of heat such as a radiator or cooker.

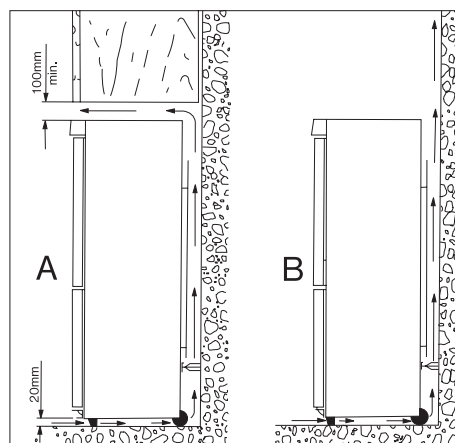
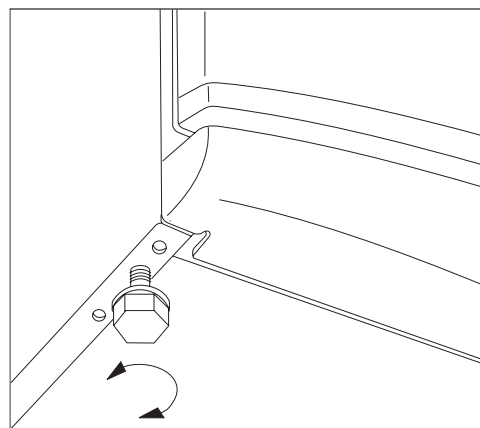
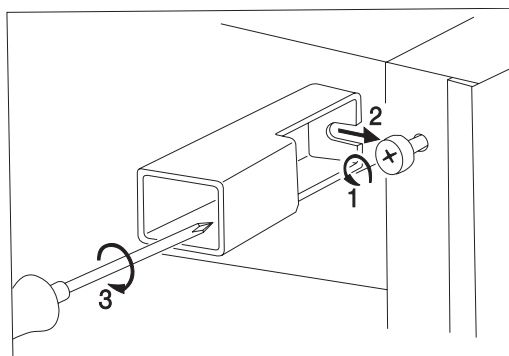
Ventilation Requirements

The appliance must have adequate ventilation to ensure correct operation.

Diagram shows the ventilation requirements when installed:

A Under a cupboard.

B When freestanding



Door Reversal

Should the setting-up place or handling demand it, door-opening direction can be refitted from right-handed to left-handed.

Appliances on the market are right-handed.

Following operations are to be done on the basis of figures and explanations:

1. To perform the operations listed below it is recommended to ask another person for help who safely can keep the doors while performing the operations.
2. Disconnect the appliance from the electricity supply.
3. Open the doors and dismount the double door hinge (a,b) by removing the screws (2 pieces) (c). (fig. 2)

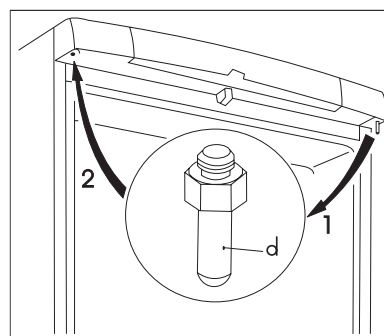


fig. 1.

4. Take off the double door hinge (a,b,c) by gradually removing it from the cabinet, slightly tilting both doors. Do not forget to remove the plastic spacer (b) under the hinge. (fig. 2)
 5. Take off the refrigerator door by pulling it slightly downwards.
 6. Take off the freezer door by pulling it slightly upwards.
 7. Unscrew the top door hinge pin (d) of the refrigerator then screw it back on the other side. (fig. 1)
 8. Remove the insert of the plinth (e) by a screwdriver. (fig. 4)
 9. Unmount the lower hinge pin (f) and its washer (h) and mount them on the other side. (fig. 4)
 10. Replace the insert of the plinth (e) on the other side.
 11. Remove the covering nails (3 pieces) (n,k) of the double door holder on the left side and put them to the other side. (fig. 2)
 12. Remove the (t, z) plugs from both doors. (fig. 3)
 13. Remove the (u, v) door closing devices by unscrewing the (s) screw.
 14. Replace the (u, v) door devices on the opposite side of the other door after turning them, then fix them by screwing the (s) screw.
 15. Replace the (t, z) plugs on the opposite side.
 16. Fit the pin of the double door hinge (m) into the left drill of the freezer door. (fig. 2)
 17. Fit the freezer door to the lower door hinge pin (f). (fig. 4)
 18. Fit the refrigerator door to the upper door hinge pin (d) then slightly tilting both doors fit the pin of the double door hinge (m) into the left drill of the refrigerator door.
 19. Opening both doors fix the double door hinge onto the left side using the screws (2 pieces) (c). Do not forget to replace the plastic spacer (b) under the hinge. Be careful that the door edges are parallel with the edge of the mantle.
 20. Put over the handles (r) on the other side and put the plastic covering nails (p) supplied in the plastic bag of this instruction book into the holes set free. (fig. 5)
 21. Put the appliance to its place, set it level, and apply to voltage it.
- In case you do not want to perform the procedures above, call the nearest brand-mark service. Technicians will accomplish the refitting expertly for charge.



Important

After completion of the door reversing operation, check that the door gasket adheres to the cabinet. If the ambient temperature is cold (i.e. in Winter), the gasket may not fit perfectly to the cabinet. In that case, wait for the natural fitting of the gasket or accelerate this process by heating the part involved with a normal hairdryer on a low setting.

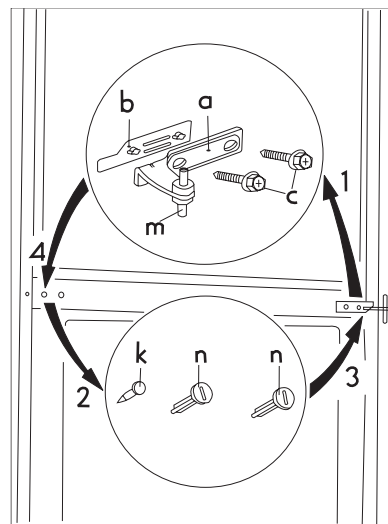


fig. 2.

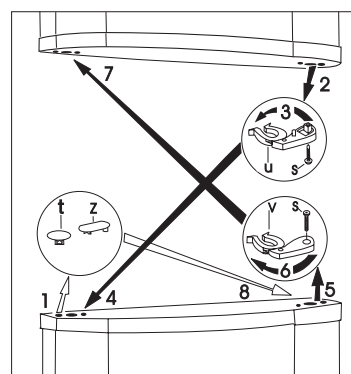


fig. 3.

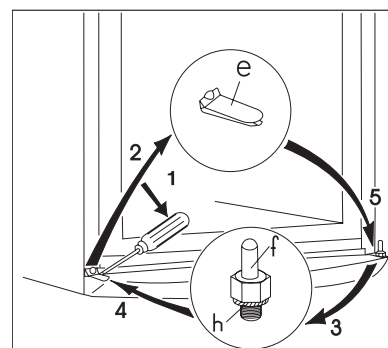


fig. 4.

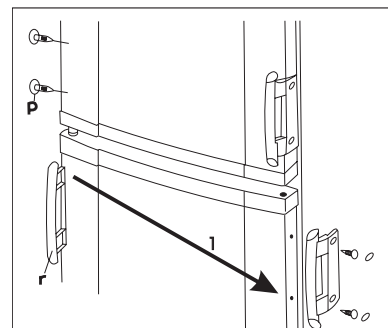


fig. 5.

Electrical Connection



Any electrical work required to install this appliance should be carried out by a qualified electrician or competent person.

This appliance must be earthed.

The manufacturer declines any liability should these safety measures not be observed.

Electrical Requirements

Before switching on, make sure the electricity supply voltage is the same as that indicated on the appliance rating plate.

The appliance is supplied with a 13 amp plug fitted. In the event of having to change the fuse in the plug supplied, a 13 amp ASTA approved (BS 1362) fuse must be used. Should the plug need to be replaced for any reason. The wires in the mains lead are coloured in accordance with the following code:

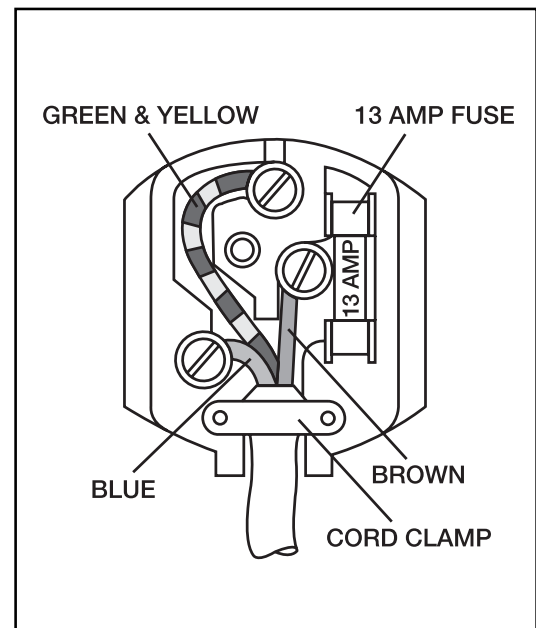
Green and Yellow:	Earth
Blue:	Neutral
Brown:	Live

The wire coloured green and yellow must be connected to the terminal marked with the letter „E“ or by the earth symbol  or coloured green and yellow.

The wire coloured blue must be connected to the terminal „N“ or coloured black.

The wire coloured brown must be connected to the terminal marked „L“ or coloured red.

Upon completion there must be no cut, or stray strands of wire present and the cord clamp must be secure over the outer sheath.



Important!

The plug must still be accessible after the appliance has been installed.

The appliance should not be connected to the electrical supply by means of an extension cable.

In case that the electrical cable has to be replaced, please contact your local Service Force Centre.



Warning!

A cut off plug inserted into a 13 amp socket is a serious safety (shock) hazard. Ensure that it is disposed of safely.



This appliance complies with the following E.E.C. Directives:

- **73/23 EEC** of 19.02.73 (Low Voltage Directive) and subsequent modifications,
- **89/336 EEC** of 03.05.89 (Electromagnetic Compatibility Directive) and subsequent modifications.

Storage time chart

Time and method of storage of fresh foods in the refrigerator

Foods	Storage time in days							Method of packaging
	1	2	3	4	5	6	7	
Raw meat	X	X	x	x	x			cling film, airtight
Cooked meat	X	X	X	x	x	x		dish covered
Roasted meat	X	X	X	x	x			dish covered
Raw minced meat	X							dish covered
Cooked minced meat	X	X	x	x				dish covered
Cold cuts	X	X	x	x				cling film, cellophane, grease-proof paper
Fresh fish	X	x	x					cling film, airtight
Cooked fish	X	X	x	x				dish covered
Tinned fish, open	X	x	x					dish covered
Fresh chicken	X	X	X	x	x	x		cling film, airtight
Fried chicken	X	X	X	x	x	x		dish covered
Fresh duck, goose	X	X	X	x	x	x		cling film, airtight
Roasted duck, goose	X	X	X	X	x	x	x	dish covered
Butter unopened	X	X	X	X	X	X	X	original packaging
Butter opened	X	X	x	x	x	x	x	original packaging
Milk	X	X	X	x	x			original packaging
Cream	X	X	x	x				plastic box
Sour cream	X	X	X	X	x	x	x	plastic box
Cheese (hard)	X	X	X	X	X	X	X	aluminium foil
Cheese (soft)	X	X	X	X	x	x	x	cling film
Egg	X	X	X	X	X	X	X	
Spinach, sorrel	X	X	x	x				cling film
Green peas, green beans	X	X	X	X	x	x	x	cling film
Mushroom	X	X	x	x	x			cling film
Carrot	X	X	X	X	X	X	X	cling film
Tomato	X	X	X	X	X	X	X	cling film
Cabbage	X	X	X	X	X	x	x	cling film
Fruits (Strawberry, raspberry, etc.)	X	X	X	x	x			cling film
Tinned fruits opened	X	X	X	x	x			dish covered
Cakes filled with cream	X	X	x	x				dish covered

Notation:

- X** recommended storage time
- x** maximum recommended storage time

© Electrolux plc 2006

ELECTROLUX HOME PRODUCTS OPERATIONS EUROPE



From the Electrolux Group. The world's No.1 choice.

The Electrolux Group is the world's largest producer of powered appliances for kitchen, cleaning and outdoor use. More than 55 million Electrolux Group products (such as refrigerators, cookers, washing machines, vacuum cleaners, chain saws and lawn mowers) are sold each year to a value of approx. USD 14 billion in more than 150 countries around the world.